

Master Mechatronics & Robotics (M.Eng.)

Obligatory modules without capacity limit	Winter 1 st sem.				Summer 2 nd sem.				Winter 3 rd sem.	ΣCr
	Le	Ex	La	Cr	Le	Ex	La	Cr		
Automation Control	4			5					40	
Vibration Engineering	2	2		5						
VDI 2206- Development of Mechatronic Systems	2	2		5						
Sensor Systems	3	1		5						
System Theory					3	1		5		
Design of Robot Workplaces					3	1		5		
Communication Systems					3	1		5		
Robotic Vision					2	2		5		
Total WSL/ECTS for obligatory modules:				16	20			16	20	

Elective modules with capacity limit (at least 4 to be chosen)

German Language I *		4		5					20	
German Language II *						4		5		
Digital Signal Processing for Engineering Application	3		1	5						
Rapid Control Systems	3		1	5						
Mechanical Problems in Mechatronics	2	2		5						
Optics and LASERs					3		1	5		
Simulation Methods for Mechanical Systems					2	2		5		
Workshop Mechatronics I (Preparation)	1		3	5						
Workshop Mechatronics II (Finalization) **					1		3	5		
Total WSL/ECTS for elective modules:				8	10			8	10	

Master Thesis
Colloquium

Total WSL/ECTS:

24	30
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24	30
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27	27
3	3
30	90

* German native speakers can choose English as a foreign language.

** Only selectable if Workshop I has been successfully completed

Abbreviations: WSL: weekly semester lesson | ECTS: European Credit Transfer System | Le: Lecture | Ex: Exercise | La: Laboratory | Cr: Credits